MSSAVLVTLLPDPSSSFREDAPRPPVPGEEGETPPCQPSVGKVQSTKPMPVSSNARRNED	60
GLGEPEGRASPDSPLTRWTKSLHSLLGDQDGAYLFRTFLEREKCVDTLDFWFACNGFRQM	120
NLKDTKTLRVAKATYKRYTENNSVVSKQLKPATKTYTRDGIKKQQTGSVMFDQAQTEIQA	180
VMEENAYQVFLTSDIYLEYVRSGGENTAYMSNGGLGSLKVLCGYLPTLNEEEEWTCADLK	240
CKLSPTVVGLSSKTLRATASVRSTETAENGFRSFKRSDPVNPYHVGSGYVFAPATSANDS	300
ELSSDALTDDSMSMTDSSVDGVPPYRMGSKKQLQREMHRSVKANGQVSLPHFPRTHRLPK	360
EMTPVEPAAFAAELISRLEKLKLELESRHSLEERLQQIREDEEKEGSEQALSSRDGAPVQ	420
HPLALLPSGSYEEDPQTTLDDHLSRVLKTPGCQSPGVGRYSPRSRSPDHHHQHHHHQQCH	480
	540
CPGGTDYYCYSKCKSHPKAPEPLPGEOFCGSRGGTLPKRNAKGTEPGLALSARDGGMSSA	600
AGGPQLPGEEGDRSQDVWQWMLESERQSKSKPHSAQSIRKSYPLESARAAPGERVSRHHL	660 720
	780
OCT TI CHEKTOL SKKONYDYYKKA SDEFACGAVEFETWDDETYLEMYEGRILGKVERID	840

FIG. 1

REPLACEMENT SHEET

CAGCCGTTCGCGATGGATTTCGGGGCCACCCGGAGGCCGAGGCGTCCCGCAAAGG 6 U
AGAGCTTTGCTGTAAAAGAGAGGGCCCCACATGAGCCCCTGCTGACTTAAGAGAGACCA 120
AGCCGATTGCTGAGAGGAACTGGAAGAAGAAAAAGGAGGAGGAGGAAAAAAAA
AAAATCCAAACTCAGTGAGACGCTCTCCCTCACCATGAGTAGCGCCGTGTTAGTGACTCT 240
CCTTCCAGATCCCAGCAGCAGCTTCCGCGAGGATGCTCCGGGGGCCCCCGGTTCCGGGAGA 300
AGAAGGGGAGACCCCACCGTGTCAGCCTAGTGTGGGCAAGGTCCAGTCCACCAAACCTAT 360
GCCCGTTTCCTCTAATGCTAGGCGGAATGAAGATGGACTGGGGGGAGCCCGAGGGGCGGGC
CTCCCCCGATTCCCCTTTGACCAGGTGGACCAAGTCTTTACACTCCTTGTTGGGTGACCA 480
GGATGGTGCATACCTCTTCCGGACTTTCCTGGAGAGGGGAGAAATGTGTGGGATACCCTGGA 540
CTTCTGGTTTGCTTCTAATGGGTTCAGGCAGATGAACCTGAAGGATACCAAAACTTTGCG 600
AGTGGCCAAAGCAATCTATAAGAGGTACATTGAGAACAACAGCGTTGTCTCCAAGCAGCT 660
GAAGCCCGCCACCAAGACCTACATACGAGATGGCATCAAGAAGCAACAGATCGGCTCGGT 720
CATGTTTGACCAGGCACAGACCGAGATCCAGGCAGTGATGGAGGAAAATGCCTACCAGGT 780
GTTCTTGACTTCTGACATTTACCTGGAATATGTGAGGAGTGGGGGGGAAAACACAGCTTA 840
CATGAGTAACGGGGGACTGGGGAGCCTAAAGGTCTTATGTGGCTACCTCCCCACCTTGAA 900
TGAAGAAGAGGAGTGGACGTGTGCCGACCTCAAGTGCAAACTCTCACCCACC
CTTGTCCAGCAAAACTCTTCGGGCCACCGCGAGTGTGAGATCCACGGAAACAGCTGAAAA 1020
CGGATTCAGGTCCTTCAAGAGAAGCGACCCAGTCAATCCTTATCACGTAGGTTCCGGCTA 1080
TGTCTTTGCACCAGCCACCAGCGCCAACGACAGCGAGTTATCCAGCGACGCACTGACCGA 1140
CGATTCCATGTCCATGACGGACAGTAGCGTAGATGGAGTCCCTCCTTACCGCATGGGGAG 1200
TAAGAAACAGETCCAGAGAGAGATGCATCGCAGTGTGAAGGCCCAATGCCCAAGTGTCTCT 1260
ACCTCATTTTCCGAGAACCCACCGCCTGCCCAAGGAGATGACGCCTGTGGAACCTGCTGC 1320
CTTCGCCGCCGAGCTCATCTCCAGGCTGGAGAACTGAAACTGGAGCTGGAAAGCCGCCA 1380
TAGTCTGGAGGAGCGGCTGCAGCAGATCCGGGAGGATGAAGAAAAGGAGGGGTCTGAGCA 1440
GGCCCTGAGCTCACGGGATGGAGCACCGGTCCAGCACCCCCTGGCCCTCCTACCCTCCGG 1500
CAGCTATGAAGAGGACCCACAAACCATTTTGGACGACCACCTCTCCAGGGTCCTCAAGAC 1560
CCCCGGCTGTCAATCCCCTGGTGTGGGTCGCTACAGCCCACGGTCCCGCTCCCCCGACCA 1620
CCACCACCACCACCACCACCATCAGCAGTGTCATACCCTTCTTTCGACTGGGGGCAAGCT 1680
SCCCCCGTGGCTGCTTGCCCCCTCCTTGGAGGCAAGAGCTTCCTGACCAAACAGACGAC 1740
GAAGCACGITCACCACCACTACATCCACCACCACGCCGTCCCCAAGACCAAGGAGGAGGAGAT 1800
CGAGGCAGAAGCCACACAGAGAGTCCGCTGCCTCTGTCCTGGGGGAACAGATTATTATTG 1860
TTACTCCAAATGCAAAAGCCACCCGAAGGCTCCAGAGCCCCTGCCTG
FGGCAGCAGAGGTGGTACCTTGCCAAAACGGAATGCAAAGGGCACCGAACCGGGTCTTGC 1980
ACTGTCGGCCAGGGATGGAGGGATGTCCAGTGCAGCGGGGGCCCCCAGCTTCCTGGGGA 2040
AGAAGGAGACCGGTCACAGGATGTCTGGCAGTGGATGTTGGAGAGTGAGCGGCAGAGCAA 2100
FTCCAAGCCCCATAGTGCCCAAAGCATAAGAAAGAGCTACCCATTGGAGTCTGCCCGTGC 2160
GCCCCAGGAGAACGAGTCAGCCGGCACCATCTGTTGGGGGGCCAGCGGACACTCCCGCTC 2220
AGTGGCCCGGGCTCACCCATTTACCCAGGACCCTGCAATGCCTCCCCTTACCCCACCCA
CACTITGGCACAGCTAGAGGAAGCCTGCCGCAGGCTGGCAGAGGTGTCGAAGCCCCAGAA 2340
PCAGCGGTGCTGCGTGGCCAGTCAGCAGAGGGACCAGGAACCACTCGGCTGCTGGTCAGGC 2400
AGGAGCCTCACCCTTCGCCAACCCAAGCCTGGCTCCAGAAGATCACAAAGAGCCAAAGAA 2460
CTGGCAAGTGTCCACGCGCTCCAGGCCAGTGAGCTGGTTGTCACCTACTTTTTCTGTGG 2520
GAAGAAATTCCATACAGGAGGATGCTGAAGGCTCAAAGCTTGACCCTGGGCCACTTCAA 2580
RGAGCAGCTCAGCAAAAAGGGAAATTACAGGTATTATTTCAAGAAGGCGAGTGACGAATT 2640
GCCTGCGGAGCAGTTTTTGAGGAGATCTGGGACGACGAGACAGTGCTCCCCATGTACGA 2700
GGCAGGATCCTGGGCAAAGTGGAGAGGATCGACTGAGCCTTGGCCTCCTGGGCGTGCAA 2760
CTGGGCAAGCACCTCGGCGTGCACCATGGAGCCGAAGCCCAGAGACCCTGTCTCAGGCC 2820
ACGC 2825

FIG. 2

REPLACEMENT SHEET

215 ATG AGT AGC GCC GTG TTA GTG ACT 1 M S S A V L V T CTC CTT CCA GAT CCC AGC AGC AGC Ρ D P S S S CGC GAG GAT GCT CCG CGG CCC CCG GTT E D Α Ρ R Ρ P CCG GGA GAA GAA GGG GAG ACC CCA CCG G E Ε G Ε P TGT CAG CCT AGT GTG GGC AAG GTC CAG S Q Ρ V G K TCC ACC AAA CCT ATG CCC GTT TCC TCT T K P Μ Ρ V S S AAT GCT AGG CGG AAT GAA GAT GGA CTG Ν Α R R Ν Ε D G GGG GAG CCC GAG GGG CGG GCC TCC CCC G E P E G R Α S P GAT TCC CCT TTG ACC AGG TGG ACC AAG D S P L T R W T TCT TTA CAC TCC TTG TTG GGT GAC CAG S L H S L L G GAT GGT GCA TAC CTC TTC CGG ACT TTC D G A Y R CTG GAG AGG GAG AAA TGT GTG GAT ACG Ε CTG GAC TTC TGG TTT GCT TGT AAT GGG W C

FIG. 3A

REPLACEMENT SHEET

		CAG O						
		TTG L						
		AGG R						
		TCC S						
ACC	AAG	ACC T	TAC	ATA	CGA	GAT	GGC	ATC
AAG K	AAG K	CAA O	CAG O	ATC I	GGC G	TCG S	GTC V	ATG M
TTT	GAC	CAG O	GCA	CAG	ACC	GAG	ATC	CAG
GCA	GTG	ATG M	GAG	GAA	AAT	GCC	TAC	CAG
		TTG L						
		GTG V						AAC N
	GCT A	TAC Y	ATG M	AGT S	AAC N	GGG G	GGA G	CTG L
		CTA L						TAC Y
		ACC T						

TGG	ACG	TGT	GCC	GAC	CTC	AAG	TGC	AAA
W	T	C	A	D	L	K	C	K
CTC	TCA	CCC	ACC	GTG	GTT	GGC	TTG	TCC
L	S	P	T	V	V	G	L	S
AGC	AAA	ACT	CTT	CGG	GCC	ACC	GCG	AGT
S	K	T	L	R	A	T	A	S
GTG	AGA	TCC	ACG	GAA	ACA	GCT	GAA	AAC
V	R	S	T	E	T	A	E	N
GGA	TTC	AGG	TCC	TTC	AAG	AGA	AGC	GAC
G	F	R	S	F	K	R	S	D
CCA	GTC	AAT	CCT	TAT	CAC	GTA	GGT	TCC
P	V	N	P	Y	H	V	G	S
GGC	TAT	GTC	TTT	GCA	CCA	GCC	ACC	AGC
G	Y	V	F	A	P	A	T	S
GCC	AAC	GAC	AGC	GAG	TTA	TCC	AGC	GAC
A	N	D	S	E	L	S	S	D
GCA	CTG	ACC	GAC	GAT	TCC	ATG	TCC	ATG
A	L	T	D	D	S	M	S	M
ACG	GAC	AGT	AGC	GTA	GAT	GGA	GTC	CCT
T	D	S	S	V	D	G	V	P
CCT	TAC	CGC	ATG	GGG	AGT	AAG	AAA	CAG
P	Y	R	M	G	S	K	K	Q
CTC	CAG	AGA	GAG	ATG	CAT	CGC	AGT	GTG
L	Q	R	E	M	H	R	S	V
AAG K		AAT N		CAA Q		TCT S		CCT P
CAT H	TTT F	CCG P			CAC H	CGC R	CTG L	CCC P

					GTG V			
					CTC L			
					CTG L			
AGC S	CGC R	CAT H	AGT S	CTG L	GAG E	GAG E	CGG R	CTG L
					GAT D			
					GCC A			
					GTC V			
					TCC S			
					ACC T			
					GTC V			
					CCT P			
					TCC S			
GAC D					CAC H			

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				.,.				
CAG Q	CAG Q	TGT C			CTT L		TCG S	ACT T
GGG G	GGC G	AAG K		CCC P		GTG V	GCT A	GCT A
TGC C	CCC P	CTC L	CTT L	GGA G		AAG K	AGC S	TTC F
CTG L	ACC T	AAA K	CAG Q	ACG T	ACG T	AAG K	CAC H	GTT V
CAC H	CAC H	CAC H	TAC Y	ATC I	CAC H	CAC H	CAC H	GCC A
GTC V	CCC P	AAG K	ACC T		GAG E		ATC I	GAG E
GCA A	GAA E	GCC A			AGA R		CGC R	TGC C
CTC L	TGT C	CCT P	GGG G		ACA T		TAT Y	TAT Y
TGC C	TAC Y	TCC S			AAA K		CAC H	CCG P
AAG K	GCT A		GAG E		CTG L		GGG G	GAG E
CAG Q	TTT F	TGT C	GGC G	AGC S	AGA R	GGT G	GGT G	ACC T
TTG L	CCA P	AAA K		AAT N	GCA A	AAG K	GGC G	ACC T
GAA E	CCG P				CTG L		GCC A	AGG R
GAT D	GGA G				AGT S		GCG A	GGG G

REPLACEMENT SHEET

GGC CCC CAG CTT CCT GGG GAA GAA GGA P 0 L P G E Ε GAC CGG TCA CAG GAT GTC TGG CAG TGG R S Q D V W O ATG TTG GAG AGT GAG CGG CAG AGC AAG SEROSK M L Ε TCC AAG CCC CAT AGT GCC CAA AGC ATA SKPHSAO AGA AAG AGC TAC CCA TTG GAG TCT GCC K S Y P L Ε CGT GCG GCC CCA GGA GAA CGA GTC AGC R Α Α P G Ε R CGG CAC CAT CTG TTG GGG GCC AGC GGA R Η Η L L G Α CAC TCC CGC TCA GTG GCC CGG GCT CAC R S V Α R Α Η CCA TTT ACC CAG GAC CCT GCA ATG CCT Т 0 D ₽ Α Μ Ρ CCC CTT ACC CCA CCC AAC ACT TTG GCA L T Ρ P N L Α CAG CTA GAG GAA GCC TGC CGC AGG CTG E Ε С А R R L GCA GAG GTG TCG AAG CCC CAG AAG CAG Α Ε V S K Ρ Q K Q CGG TGC TGC GTG GCC AGT CAG CAG AGG R C C V A S Q Q R

				9/	10			
GAC D	C AGG	AAC N	CAC H	TCG	GCT A	GCT A	' GGT G	CAG Q
GCA	A GGA	GCC	TCA	CCC	TTC	GCC	AAC	CCA
A	G	A	S	P	F	A	N	P
AGC	CTG	GCT	CCA	GAA	_	CAC	AAA	GAG
S	L	A	P	E		H	K	E
CCA	AAG	AAA	CTG	GCA	AGT	GTC	CAC	GCG
P	K	K	L	A	S	V	H	A
CTC	CAG	GCC	AGT	GAG	CTG	GTT	GTC	ACC
L	Q	A	S	E	L	V	V	T
TAC	TTT	TTC	TGT	GGA	GAA	GAA	ATT	CCA
Y	F	F	C	G	E	E	I	P
TAC	AGG	AGG	ATG	CTG	AAG	GCT	CAA	AGC
Y	R	R	M	L	K	A	Q	S
TTG	ACC	CTG	GGC	CAC	TTC	AAG	GAG	CAG
L	T	L	G	H	F	K	E	Q
CTC	AGC	AAA	AAG	GGA	AAT	TAC	AGG	TAT
L	S	K	K	G	N	Y	R	Y
TAT	TTC	AAG	AAG	GCG	AGT	GAC	GAA	TTT
Y	F	K	K	A	S	D	E	F
GCC	TGC	GGA	GCA	GTT	TTT	GAG	GAG	ATC
A	C	G	A	V	F	E	E	I
TGG	GAC	GAC	GAG	ACA	GTG	CTC	CCC	ATG
W	D	D	E	T	V	L	P	M
TAC	GAA	GGC	AGG	ATC	CTG	GGC	AAA	GTG
Y	E	G	R	I	L	G	K	V
GAG E	AGG R	ATC I	GAC D	TGA Stop				

REPLACEMENT SHEET

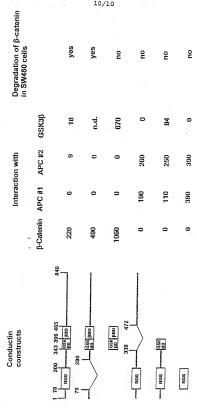


FIG. 4

REPLACEMENT SHEET